

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L2    | 13   | ("2096901"   "2659942"   "3152367"   "3246923"   "3727973"   "4109562"   "4538852"   "5094497"   "6089971").PN. OR ("6394890").URPN.     | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2007/04/03 13:29 |
| L3    | 15   | ("3264971"   "4163415").PN. OR ("4610196").URPN.   | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2007/04/03 13:40 |
| L4    | 17   | ("2410171"   "2659942"   "3159421").PN. OR ("4105246").URPN.   | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2007/04/03 13:46 |
| L5    | 10   | ("2796820").URPN.  | USPAT  | OR               | ON      | 2007/04/03 13:53 |
| L6    | 251  | 454/152.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/03 16:01 |
| L7    | 13   | ("0024936"   "1962217"   "20040072532"   "2213018"   "2867866"   "4722264"   "4813344"   "5297988"   "6932331").PN. OR ("7097555").URPN. | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2007/04/03 14:14 |
| L8    | 12   | ("1517179"   "1518023"   "1668712"   "1811467"   "2724321"   "4011801"   "5498203").PN. OR ("6015341").URPN.                             | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2007/04/03 14:21 |
| L9    | 353  | 454/155.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2007/04/03 14:37 |
| L10   | 0    | ("2004/0005854").URPN.   | USPAT  | OR               | ON      | 2007/04/03 14:44 |
| L11   | 8    | ("3646877"   "4517809"   "4887520"   "5188561"   "6146265"   "6224480"   "6394891"   "6554696").PN. OR ("6739969").URPN.                 | US-PGPUB; USPAT; USOCR                             | OR               | ON      | 2007/04/03 14:55 |
| L12   | 1    | ("1709650").URPN.  | USPAT  | OR               | ON      | 2007/04/03 15:14 |
| L13   | 0    | ("1690723").URPN.  | USPAT  | OR               | ON      | 2007/04/03 15:29 |

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|-----|-----|---------------|---|----|----|------------------|
| L22 | 59  | 454/85.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 16:03 |
| L23 | 48  | 454/93.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 16:05 |
| L24 | 486 | 454/121.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 16:32 |
| L25 | 17  | 454/125.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 16:35 |
| L26 | 53  | 454/153.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 16:36 |
| L27 | 92  | 454/154.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 17:05 |
| L28 | 108 | 454/145.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 17:13 |
| L29 | 228 | 454/143.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 17:22 |

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|     |     |               |   |    |    |                  |
|-----|-----|---------------|---|----|----|------------------|
| L30 | 191 | 454/198.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:00 |
| L31 | 298 | 454/195.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:06 |
| L32 | 165 | 454/290.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:14 |
| L33 | 119 | 454/307.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:22 |
| L34 | 159 | 454/315.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:34 |
| L35 | 189 | 454/316.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:49 |
| L36 | 160 | 454/324.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:58 |
| L37 | 546 | 454/333.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/03 18:58 |

## EAST Search History

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|-----|------|--|--|----|----|------------------|
| L38 | 9    | ("2273758"   "2995077"   "3706271"   "3951336"   "4498373"   "5088388").PN. OR ("5520580").URPN.   | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/04/03 19:01 |
| S1  | 2    | Ryu-Jae-Soo\$.in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/02 15:50 |
| S2  | 213  | Ryu-Jae\$.in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/02 15:52 |
| S3  | 501  | 454/284.ccis.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/02 17:49 |
| S4  | 1    | ("1309430").URPN.  | USPAT  | OR | ON | 2007/04/02 16:06 |
| S5  | 82   | "454".clas. and (retract\$4 same air same deflect\$3)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/02 17:06 |
| S6  | 32   | ("0037338"   "0848758"   "1463318"   "1597972"   "1607092"   "1640630"   "1690001"   "1691285"   "1768085"   "1893571"   "1921305"   "3861281"   "3921507"   "4610196").PN. OR ("5232403").URPN. | US-PGPUB; USPAT; USOCR                             | OR | ON | 2007/04/02 16:47 |
| S7  | 2497 | "454".clas. and (extend\$4 same air same deflect\$3)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/02 17:06 |
| S8  | 620  | S7 and vehicle   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/02 17:07 |

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|     |     |                          |   |    |    |                  |
|-----|-----|--------------------------|---|----|----|------------------|
| S9  | 446 | S8 and (motor or spring) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/02 17:07 |
| S10 | 255 | 454/127.ccls.            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/02 17:50 |